Geosyntec consultants

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15 February 2013

William Lindner
New Jersey Department of Environmental Protection
Brownfield Remediation & Reuse Element
401 East State Street, 6th Floor
PO Box 028
Trenton, New Jersey 08625-028

Subject: Summary of Offsite Potable Well Sampling Results
Former Ingersoll Rand Facility
Phillipsburg, NJ

Dear Mr. Lindner:

On behalf of Ingersoll Rand (IR), Geosyntec Consultants, Inc. (Geosyntec) is submitting copies of letters sent to the owners of four properties in Phillipsburg, NJ (425, 437, 441 and 481 Lock St.) communicating the results of the laboratory analysis of potable well water samples. The samples were collected by Geosyntec in January, April, July and October 2012. The periodic collection and analysis of potable well samples from these four properties is conducted to monitor concentrations of volatile organic compounds (VOCs) in ground water, particularly trichloroethene (TCE), south of the former IR facility in Phillipsburg, NJ. Note that, as per the individual agreement between IR and each property owner, samples are collected from 437 Lock St. on a quarterly basis and from the other three monitored Lock St. properties on a semi-annual basis.

Consistent with prior sampling events, potable well water samples were collected from the four properties where TCE has previously been detected. Of these four properties, TCE has only historically been detected above the New Jersey drinking water standard (1 part per billion [ppb] for TCE) at 481 Lock St. A point of entry treatment (POET) system was installed at the 481 Lock St. property in October 2006 after the initial TCE exceedence detection. TCE has not been detected above the drinking water standard in samples collected from 425, 437 or 441 Lock St.

In the water samples collected from the four Lock St. properties in 2012, no VOCs were detected above New Jersey drinking water standards. The concentrations of TCE detected in each of the 2012 water samples are presented in the table below, which is also included on the attached figure.

Property	TCE (ppb)			
	January 2012	April 2012	July 2012	October 2012
425 Lock St. – Inf.	NS	ND	NS	ND
437 Lock St. – Inf.	ND	ND	ND	ND
441 Lock St. – Inf.	NS	ND	NS	ND
481 Lock St. – Inf.	NS	ND	NS	ND
481 Lock St. – Mid.	NS	ND	NS	ND
481 Lock St. – Eff.	NS	ND	NS	ND
Notes: ND – TCE not detected, NS – well not sampled				

The concentrations of TCE detected are consistent with previous analytical results. Additionally the results indicate that the POET system installed at 481 Lock St. continues to effectively remove VOCs from the potable water.

Should you have any questions regarding these results please do not hesitate to contact Mike Lambert at 609-895-1400 or mlambert@geosyntec.com.

Sincerely,

Michael Lambert
Project Manager

cc: D. Horst – Ingersoll Rand Company
S. Drew – Geosyntec
K. Traynor – Preferred Unlimited, Inc. (electronic)
G. Brown – RT Environmental (electronic)
K. Cavotta – Warren County Health Department
Phillipsburg Town Clerk
Geosyntec File: JR0074

Property (Owner Name)	TCE (ppb)*			
	January 2012	April 2012	July 2012	October 2012
425 Lock St. - Inf (Daniele)	NS	ND	NS	ND
437 Lock St. - Inf. (Cox)	ND	ND	ND	ND
441 Lock St. - Inf (Balas)	NS	ND	NS	ND
481 Lock St. - Inf. (Navarra)	NS	ND	NS	ND
481 Lock St. - Mid.	NS	ND	NS	ND
481 Lock St. - Eff.	NS	ND	NS	ND

Notes:
TCE = trichloroethene
* New Jersey Drinking water standard for TCE is 1 ppb
ND - TCE not detected
NS - well not sampled

N

481 Lock St.
441 Lock St.
437 Lock St.
425 Lock St.

MW48 MW17 MW49 MW20 MW19 MW28A MW18 MW09 MW29 MW30 MW59 MW21 THBF MW13 MW37 MW25 MW47 MW08 MW53 MW04 MW38 MW12 MW36 MW10 MW26 THby4 MW27 MW05 THWLS MW52 MW03 MW54 MW15 MW39 MW46 MW32 TH36 MW31 MW11 MW06 MW35 MW02A MW50 MW16 MW40 MW41 MW24 MW33A MW34 MW58 MW42 MW43A MW44 MW57 MW45 MW51 MW51A

Harwick Rd, Stryker Rd, W Washington Ave, United States Highway 22, Liberty Blvd, Saint James Ave, Chestnut St, Sussex St, North St, Victory Ave, Hunt Ave, Lock St, Baltimore St, Red School Ln, 8th St, 6th St, 5th St, S 4th St, 2nd St, Center St, Roseberry St, Walnut St, Peach Aly, Pursel St, Tuttle St, Pearl St, Logan St, Green St, Kent St, Mill St, Carhart St, Hill St, Wilbur Ave, Sayre Ave, N Riverview Rd, Limekiln Rd, Cahill St, Warren St, S Main St, Lesher Aly, Bates St, Pickford Ave, Barrymore St, Marshall St, Heckman St, Memorial Pky, Conliss Ave, Stelko Ave, Edwards St

Legend

- Monitoring Well
- Dual Completion Monitoring Well
- Former Ingersoll Rand Property Boundary
- Approximate 1/2 mile Site Buffer
- Approximate Location of Potable Well

1,500 750 0 1,500 Feet

Off-Site Potable Well Samping
2012 Analytical Results

Former Ingersoll Rand Facility,
Phillipsburg, NJ

Geosyntec consultants

Princeton, NJ | 25-Jan-2012

Path: P:\PRJ\J-R0007.4 - IR Phillipsburg\GIS\Projects\Offsite PotableWell Sampling.mxd

Geosyntec consultants

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Ewing, NJ 08628
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www.geosyntec.com

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Prepared at the Request of Counsel

31 July 2012
Via Certified Mail

Graciela Daniele
255 West 19th Street
New York, NY 10011

Subject: **Potable Water Sample Collection**
Block 3301, Lot 8 and Block 102, Lot 10 (Lopatcong)
425 Lock Street

Dear Ms. Daniele:

On 19 April 2012, a representative of Geosyntec Consultants, Inc. (Geosyntec) visited your home to collect a water sample for the purpose of assessing the quality of the water from the supply well on your property. The sample was collected from the same inside tap and using the same sampling procedures as during previous sampling events. The sample was submitted to a New Jersey certified laboratory by Geosyntec and analyzed for volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (USEPA) Method 524.2.

Sample results indicate that no VOCs were detected at concentrations above the New Jersey Maximum Contaminant Limits (MCLs) for drinking water. Please find the attached laboratory results summary for your reference. Note that the next sampling event is scheduled for October 2012. Geosyntec will contact you to schedule a mutually convenient date to complete the sampling activities.

Thank you for your cooperation with this matter. If you have any questions or comments regarding the analytical results please contact the undersigned at 609-895-1400 or mlambert@geosyntec.com.

Sincerely,

Michael Lambert
Project Manager

Copies to: Kevin Cavotta (Warren County Health Department)
Geosyntec Project File: JR0074

Report of Analysis

Client Sample ID:	425LOCK_2012Q2		
Lab Sample ID:	JB4713-80	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B67603.D	1	04/23/12	MFH	n/a	n/a	V1B3135
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
67-64-1	Acetone	ND		5.0	ug/l	
107-13-1	Acrylonitrile	ND		5.0	ug/l	
107-05-1	Allyl chloride	ND		0.50	ug/l	
78-93-3	2-Butanone	ND		5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	ug/l	
75-25-2	Bromoform	ND		0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	ug/l	
75-15-0	Carbon disulfide	ND		0.50	ug/l	
107-14-2	Chloroacetonitrile	ND		10	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	ug/l	
108-90-7	Chlorobenzene	ND	50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	ug/l	
67-66-3	Chloroform	ND		0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 425LOCK_2012Q2
Lab Sample ID: JB4713-80
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ

Date Sampled: 04/19/12
Date Received: 04/20/12
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	600	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	ug/l	
60-29-7	Ethyl Ether	ND		0.50	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	ug/l	
110-54-3	Hexane	ND		0.50	ug/l	
67-72-1	Hexachloroethane	ND		0.50	ug/l	
591-78-6	2-Hexanone	ND		2.0	ug/l	
74-88-4	Iodomethane	ND		0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	ug/l	
75-09-2	Methylene chloride	ND	3.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	70	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	ug/l	
98-95-3	Nitrobenzene	ND		50	ug/l	
79-46-9	2-Nitropropane	ND		2.0	ug/l	
91-20-3	Naphthalene	ND	300	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	ug/l	
76-01-7	Pentachloroethane	ND		0.50	ug/l	
107-12-0	Propionitrile	ND		5.0	ug/l	
100-42-5	Styrene	ND	100	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	30	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
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Report of Analysis

Client Sample ID:	425LOCK_2012Q2		
Lab Sample ID:	JB4713-80	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	9.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
	m,p-Xylene	ND		1.0	ug/l	
95-47-6	o-Xylene	ND		0.50	ug/l	
1330-20-7	Xylenes (total)	ND	1000	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		78-114%
460-00-4	4-Bromofluorobenzene	98%		77-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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Priviledged and Confidential
Prepared at the Request of Counsel

31 July 2012
Via Certified Mail

Donald P. Cox
437 Lock Street
Phillipsburg, NJ 08865

Subject: **Potable Water Sample Collection**
Block 3301, Lot 7 and Block 102, Lot 11 (Lopatcong)
437 Lock Street

Dear Mr. Cox:

On 19 April 2012, a representative of Geosyntec Consultants, Inc. (Geosyntec) visited your home to collect a water sample for the purpose of assessing the quality of the water from the supply well on your property. The sample was collected from the same outside spigot and using the same sampling procedures as during previous sampling events. The sample was submitted to a New Jersey certified laboratory by Geosyntec and analyzed for volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (USEPA) Method 524.2.

Sample results indicate that no VOCs were detected at concentrations above the New Jersey Maximum Contaminant Limits (MCLs) for drinking water. Please find the attached laboratory results summary for your reference. Note that the next sampling event is scheduled for July 2012. Geosyntec will contact you to schedule a mutually convenient date to complete the sampling activities.

Thank you for your cooperation with this matter. If you have any questions or comments regarding the analytical results please contact the undersigned at 609-895-1400 or mlambert@geosyntec.com.

Sincerely,

Michael Lambert
Project Manager

Copies to: Kevin Cavotta (Warren County Health Department)
Geosyntec Project File: JR0074

Report of Analysis

Client Sample ID:	437LOCK_2012Q2		
Lab Sample ID:	JB4713-81	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B67604.D	1	04/23/12	MFH	n/a	n/a	V1B3135
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
67-64-1	Acetone	ND		5.0	ug/l	
107-13-1	Acrylonitrile	ND		5.0	ug/l	
107-05-1	Allyl chloride	ND		0.50	ug/l	
78-93-3	2-Butanone	ND		5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	ug/l	
75-25-2	Bromoform	ND		0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	ug/l	
75-15-0	Carbon disulfide	ND		0.50	ug/l	
107-14-2	Chloroacetonitrile	ND		10	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	ug/l	
108-90-7	Chlorobenzene	ND	50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	ug/l	
67-66-3	Chloroform	ND		0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	437LOCK_2012Q2		
Lab Sample ID:	JB4713-81	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	600	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	ug/l	
60-29-7	Ethyl Ether	ND		0.50	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	ug/l	
110-54-3	Hexane	ND		0.50	ug/l	
67-72-1	Hexachloroethane	ND		0.50	ug/l	
591-78-6	2-Hexanone	ND		2.0	ug/l	
74-88-4	Iodomethane	ND		0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	ug/l	
75-09-2	Methylene chloride	ND	3.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	70	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	ug/l	
98-95-3	Nitrobenzene	ND		50	ug/l	
79-46-9	2-Nitropropane	ND		2.0	ug/l	
91-20-3	Naphthalene	ND	300	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	ug/l	
76-01-7	Pentachloroethane	ND		0.50	ug/l	
107-12-0	Propionitrile	ND		5.0	ug/l	
100-42-5	Styrene	ND	100	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	30	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
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Report of Analysis

Client Sample ID:	437LOCK_2012Q2		
Lab Sample ID:	JB4713-81	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	9.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
	m,p-Xylene	ND		1.0	ug/l	
95-47-6	o-Xylene	ND		0.50	ug/l	
1330-20-7	Xylenes (total)	ND	1000	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	103%		78-114%
460-00-4	4-Bromofluorobenzene	96%		77-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Geosyntec consultants

7 Graphics Drive, Suite 106
Ewing, NJ 08628
PH 609.895.1400
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www.geosyntec.com

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Prepared at the Request of Counsel

31 July 2012
Via Certified Mail

Jeffrey Balas
441 Lock Street
Phillipsburg, NJ 08865

Subject: **Potable Water Sample Collection**
Block 3301, Lot 6
441 Lock Street

Dear Mr. Balas:

On 19 April 2012, a representative of Geosyntec Consultants, Inc. (Geosyntec) visited your home to collect a water sample for the purpose of assessing the quality of the water from the supply well on your property. The sample was collected from the same outside spigot and using the same sampling procedures as during previous sampling events. The sample was submitted to a New Jersey certified laboratory by Geosyntec and analyzed for volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (USEPA) Method 524.2.

Sample results indicate that no VOCs were detected at concentrations above the New Jersey Maximum Contaminant Limits (MCLs) for drinking water. Please find the attached laboratory results summary for your reference. Note that the next sampling event is scheduled for October 2012. Geosyntec will contact you to schedule a mutually convenient date to complete the sampling activities.

Thank you for your cooperation with this matter. If you have any questions or comments regarding the analytical results please contact the undersigned at 609-895-1400 or mlambert@geosyntec.com.

Sincerely,

Michael Lambert
Project Manager

Copies to: Kevin Cavotta (Warren County Health Department)
Geosyntec Project File: JR0074

Report of Analysis

Client Sample ID:	441LOCK_2012Q2		
Lab Sample ID:	JB4713-82	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B67605.D	1	04/23/12	MFH	n/a	n/a	V1B3135
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
67-64-1	Acetone	ND		5.0	ug/l	
107-13-1	Acrylonitrile	ND		5.0	ug/l	
107-05-1	Allyl chloride	ND		0.50	ug/l	
78-93-3	2-Butanone	ND		5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	ug/l	
75-25-2	Bromoform	ND		0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	ug/l	
75-15-0	Carbon disulfide	ND		0.50	ug/l	
107-14-2	Chloroacetonitrile	ND		10	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	ug/l	
108-90-7	Chlorobenzene	ND	50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	ug/l	
67-66-3	Chloroform	ND		0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	441LOCK_2012Q2		
Lab Sample ID:	JB4713-82	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	600	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	ug/l	
60-29-7	Ethyl Ether	ND		0.50	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	ug/l	
110-54-3	Hexane	ND		0.50	ug/l	
67-72-1	Hexachloroethane	ND		0.50	ug/l	
591-78-6	2-Hexanone	ND		2.0	ug/l	
74-88-4	Iodomethane	ND		0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	ug/l	
75-09-2	Methylene chloride	ND	3.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	70	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	ug/l	
98-95-3	Nitrobenzene	ND		50	ug/l	
79-46-9	2-Nitropropane	ND		2.0	ug/l	
91-20-3	Naphthalene	ND	300	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	ug/l	
76-01-7	Pentachloroethane	ND		0.50	ug/l	
107-12-0	Propionitrile	ND		5.0	ug/l	
100-42-5	Styrene	ND	100	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	30	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	441LOCK_2012Q2		
Lab Sample ID:	JB4713-82	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	9.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
	m,p-Xylene	ND		1.0	ug/l	
95-47-6	o-Xylene	ND		0.50	ug/l	
1330-20-7	Xylenes (total)	ND	1000	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		78-114%
460-00-4	4-Bromofluorobenzene	96%		77-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Geosyntec consultants

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Prepared at the Request of Counsel

31 July 2012
Via Certified Mail

Fred and Charlene Navarra
481 Lock Street
Phillipsburg, NJ 08865

Subject: **Potable Water Sample Collection**
Block 3301, Lot 5
481 Lock Street
NJDEP Case No. 0604-07-1420-38

Dear Mr. and Mrs. Navarra:

On 19 April 2012, a representative of Geosyntec Consultants, Inc. (Geosyntec) visited your home to collect three water samples for the purposes of (1) assessing the quality of the water drawn from the domestic supply well on your property and (2) monitoring the effectiveness of the Point-of-Entry Treatment (POET) system located in your basement. An "influent" sample was collected from a sampling port located immediately upstream of the POET system, a "midfluent" sample was collected from a sampling port located between the two POET system carbon tanks, and finally, an "effluent" sample was collected from a sampling port located immediately downstream of the POET system. The samples were submitted to a New Jersey certified laboratory by Geosyntec and analyzed for volatile organic compounds (VOCs) by U.S. Environmental Protection Agency (USEPA) Method 524.2.

No VOCs were detected in any of the samples at concentrations which exceed the New Jersey Maximum Contaminant Limits (MCLs) for drinking water.

The results indicate that the POET system is effectively treating the drinking water for VOCs at your property. We have attached the laboratory analytical results summary for your reference. In the laboratory analytical report, the influent, midfluent, and effluent samples are designated 481LOCK-INF, 481LOCK-BT, and 481LOCK-EFF, respectively. The next sampling event is scheduled for October 2012. Geosyntec will contact you to schedule a mutually convenient date to complete the sampling activities.

Thank you for your cooperation with this matter. If you have any questions or comments regarding the analytical results please contact the undersigned at 609-895-1400 or mlambert@geosyntec.com.

Sincerely,

Michael Lambert
Project Manager

Copies to: Kevin Cavotta (Warren County Health Department)
Geosyntec Project File: JR0074

Report of Analysis

Client Sample ID:	481LOCK-BT_2012Q2		
Lab Sample ID:	JB4713-83	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B67606.D	1	04/23/12	MFH	n/a	n/a	V1B3135
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
67-64-1	Acetone	ND		5.0	ug/l	
107-13-1	Acrylonitrile	ND		5.0	ug/l	
107-05-1	Allyl chloride	ND		0.50	ug/l	
78-93-3	2-Butanone	ND		5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	ug/l	
75-25-2	Bromoform	ND		0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	ug/l	
75-15-0	Carbon disulfide	ND		0.50	ug/l	
107-14-2	Chloroacetonitrile	ND		10	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	ug/l	
108-90-7	Chlorobenzene	ND	50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	ug/l	
67-66-3	Chloroform	ND		0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: 481LOCK-BT_2012Q2
Lab Sample ID: JB4713-83
Matrix: DW - Drinking Water
Method: EPA 524.2 REV 4.1
Project: IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ

Date Sampled: 04/19/12
Date Received: 04/20/12
Percent Solids: n/a

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	600	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	ug/l	
60-29-7	Ethyl Ether	ND		0.50	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	ug/l	
110-54-3	Hexane	ND		0.50	ug/l	
67-72-1	Hexachloroethane	ND		0.50	ug/l	
591-78-6	2-Hexanone	ND		2.0	ug/l	
74-88-4	Iodomethane	ND		0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	ug/l	
75-09-2	Methylene chloride	ND	3.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	70	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	ug/l	
98-95-3	Nitrobenzene	ND		50	ug/l	
79-46-9	2-Nitropropane	ND		2.0	ug/l	
91-20-3	Naphthalene	ND	300	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	ug/l	
76-01-7	Pentachloroethane	ND		0.50	ug/l	
107-12-0	Propionitrile	ND		5.0	ug/l	
100-42-5	Styrene	ND	100	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	30	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	481LOCK-BT_2012Q2		
Lab Sample ID:	JB4713-83	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	9.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
	m,p-Xylene	ND		1.0	ug/l	
95-47-6	o-Xylene	ND		0.50	ug/l	
1330-20-7	Xylenes (total)	ND	1000	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		78-114%
460-00-4	4-Bromofluorobenzene	96%		77-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	481LOCK-EFF_2012Q2		
Lab Sample ID:	JB4713-84	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water Eff	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B67607.D	1	04/23/12	MFH	n/a	n/a	V1B3135
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
67-64-1	Acetone	ND		5.0	ug/l	
107-13-1	Acrylonitrile	ND		5.0	ug/l	
107-05-1	Allyl chloride	ND		0.50	ug/l	
78-93-3	2-Butanone	ND		5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	ug/l	
75-25-2	Bromoform	ND		0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	ug/l	
75-15-0	Carbon disulfide	ND		0.50	ug/l	
107-14-2	Chloroacetonitrile	ND		10	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	ug/l	
108-90-7	Chlorobenzene	ND	50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	ug/l	
67-66-3	Chloroform	ND		0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	481LOCK-EFF_2012Q2		
Lab Sample ID:	JB4713-84	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water Eff	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	600	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	ug/l	
60-29-7	Ethyl Ether	ND		0.50	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	ug/l	
110-54-3	Hexane	ND		0.50	ug/l	
67-72-1	Hexachloroethane	ND		0.50	ug/l	
591-78-6	2-Hexanone	ND		2.0	ug/l	
74-88-4	Iodomethane	ND		0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	ug/l	
75-09-2	Methylene chloride	ND	3.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	70	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	ug/l	
98-95-3	Nitrobenzene	ND		50	ug/l	
79-46-9	2-Nitropropane	ND		2.0	ug/l	
91-20-3	Naphthalene	ND	300	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	ug/l	
76-01-7	Pentachloroethane	ND		0.50	ug/l	
107-12-0	Propionitrile	ND		5.0	ug/l	
100-42-5	Styrene	ND	100	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	30	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	481LOCK-EFF_2012Q2		
Lab Sample ID:	JB4713-84	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water Eff	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	9.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
	m,p-Xylene	ND		1.0	ug/l	
95-47-6	o-Xylene	ND		0.50	ug/l	
1330-20-7	Xylenes (total)	ND	1000	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	102%		78-114%
460-00-4	4-Bromofluorobenzene	96%		77-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	481LOCK-INF_2012Q2		
Lab Sample ID:	JB4713-85	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water Inf	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1B67610.D	1	04/23/12	MFH	n/a	n/a	V1B3135
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
67-64-1	Acetone	ND		5.0	ug/l	
107-13-1	Acrylonitrile	ND		5.0	ug/l	
107-05-1	Allyl chloride	ND		0.50	ug/l	
78-93-3	2-Butanone	ND		5.0	ug/l	
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND		0.50	ug/l	
74-97-5	Bromochloromethane	ND		0.50	ug/l	
75-27-4	Bromodichloromethane	ND		0.50	ug/l	
75-25-2	Bromoform	ND		0.50	ug/l	
74-83-9	Bromomethane	ND		0.50	ug/l	
104-51-8	n-Butylbenzene	ND		0.50	ug/l	
135-98-8	sec-Butylbenzene	ND		0.50	ug/l	
98-06-6	tert-Butylbenzene	ND		0.50	ug/l	
75-15-0	Carbon disulfide	ND		0.50	ug/l	
107-14-2	Chloroacetonitrile	ND		10	ug/l	
109-69-3	1-Chlorobutane	ND		0.50	ug/l	
108-90-7	Chlorobenzene	ND	50	0.50	ug/l	
75-00-3	Chloroethane	ND		0.50	ug/l	
67-66-3	Chloroform	ND		0.50	ug/l	
74-87-3	Chloromethane	ND		0.50	ug/l	
95-49-8	o-Chlorotoluene	ND		0.50	ug/l	
106-43-4	p-Chlorotoluene	ND		0.50	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
563-58-6	1,1-Dichloropropene	ND		0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	ug/l	
142-28-9	1,3-Dichloropropane	ND		0.50	ug/l	
594-20-7	2,2-Dichloropropane	ND		0.50	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	481LOCK-INF_2012Q2		
Lab Sample ID:	JB4713-85	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water Inf	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
124-48-1	Dibromochloromethane	ND		0.50	ug/l	
74-95-3	Dibromomethane	ND		0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND		1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	600	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	ug/l	
513-88-2	1,1-Dichloropropanone	ND		1.0	ug/l	
110-57-6	Trans-1,4-Dichloro-2-Butene	ND		2.0	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	ug/l	
60-29-7	Ethyl Ether	ND		0.50	ug/l	
97-63-2	Ethyl methacrylate	ND		1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	ug/l	
110-54-3	Hexane	ND		0.50	ug/l	
67-72-1	Hexachloroethane	ND		0.50	ug/l	
591-78-6	2-Hexanone	ND		2.0	ug/l	
74-88-4	Iodomethane	ND		0.50	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	ug/l	
75-09-2	Methylene chloride	ND	3.0	0.50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	70	0.50	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	ug/l	
126-98-7	Methacrylonitrile	ND		0.50	ug/l	
80-62-6	Methyl methacrylate	ND		2.0	ug/l	
96-33-3	Methyl Acrylate	ND		1.0	ug/l	
98-95-3	Nitrobenzene	ND		50	ug/l	
79-46-9	2-Nitropropane	ND		2.0	ug/l	
91-20-3	Naphthalene	ND	300	0.50	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	ug/l	
76-01-7	Pentachloroethane	ND		0.50	ug/l	
107-12-0	Propionitrile	ND		5.0	ug/l	
100-42-5	Styrene	ND	100	0.50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	ug/l	
109-99-9	Tetrahydrofuran	ND		1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	30	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	3.0	0.50	ug/l	

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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	481LOCK-INF_2012Q2		
Lab Sample ID:	JB4713-85	**Date Sampled:**	04/19/12
Matrix:	DW - Drinking Water Inf	**Date Received:**	04/20/12
Method:	EPA 524.2 REV 4.1	**Percent Solids:**	n/a
Project:	IR-Phillipsburg, 942 Memorial Parkway, Phillipsburg, NJ		

VOA List

CAS No.	Compound	Result	MCL	RL	Units	Q
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	9.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1000	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
	m,p-Xylene	ND		1.0	ug/l	
95-47-6	o-Xylene	ND		0.50	ug/l	
1330-20-7	Xylenes (total)	ND	1000	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2199-69-1	1,2-Dichlorobenzene-d4	103%		78-114%
460-00-4	4-Bromofluorobenzene	97%		77-115%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected
MCL = Maximum Contamination Level (NJAC 7:10 11/04)
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N = Indicates presumptive evidence of a compound